

## Abstract

A method of an in vitro screening for a ligand using two assay systems i.e. in a first cellular or tissue assay system, selecting the ligand with transcriptional ER-mediated activity measured by an ER-driven reporter gene, whereby in the first 5 assay system the ligand activates the potency with an EC<sub>50(ER)</sub> (half-maximally effective ligand concentration) lower than to 10 nmol/l, and, in a second enzymatic assay system, selecting the physical-chemical interaction (recruitment) of SRC-1, wherein the ligand activates the ER and induces interaction with the co - present SRC-1 with an EC<sub>50(ER+SRC)</sub> higher than to 10 100 nmol/l.

The ligands found by the inventive screening can be used for the treatment and prevention of neuro - degeneration in the cerebral cortex and are thus useful for treatment and prevention of age-related cognitive disorders, affective disorders, Alzheimer's diseases and cerebral ischemia / stroke.